

1    1. (currently amended) A bone plate of complex form, suitable for use in osteotomy, the bone  
2    plate having a longitudinal axis, a bone-contacting bottom side and a top side with at least one  
3    complex aperture ~~two complex apertures~~ each comprised of at least one set of two overlapping  
4    holes each having multifaceted surfaces adapted to lock with threads of a corresponding bone  
5    screw, the holes communicating through the plate from the top to the bottom side, and wherein,  
6    when applied, at least one set of two adjacent overlapping holes of a complex aperture is located  
7    so as to lie on ~~opposite sides~~ a side of an osteotomy site and a third hole is aligned at an angle  
8    with respect to the longitudinal axis.

1    2. (currently amended) The bone plate of claim 1, wherein the apertures positioned so as to be on  
2    a either side of the point of osteotomy when applied to bone include wide bevels on a far end of  
3    the aperture away from the osteotomy site.

1    3. (previously presented) The bone plate of claim 1, wherein bone plate further includes at least  
2    one locking bone peg having a threaded head which locks with the multifaceted surface of a  
3    corresponding overlapping hole of an aperture, thereby better ensuring rigid fixing of a fracture  
4    when using pegs having a body without threads.

1    4. (previously presented) The bone plate of claim 1, wherein the multifaceted surfaces are  
2    threaded surfaces.

1    5. (original) The bone plate of claim 1, wherein the bone plate includes at least one round hole  
2    having a corresponding countersink, the countersink being axially offset from an orientation

3 perpendicular to the top surface by a predetermined angle.

1 6. (original) The bone plate of claim 5, wherein the predetermined angle is approximately 25  
2 degrees.

1 7. (currently amended) A bone plate of complex form, suitable for use in osteotomy, the bone  
2 plate having

3 (a) at least two axes on which bone screw receiving holes are located including a  
4 longitudinal axis and an axis substantially angled therefrom, and

5 (b) a bone-contacting bottom side and a top side with at least one complex aperture ~~two~~  
6 ~~complex apertures~~ each comprised of at least one set of two overlapping holes each having  
7 multifaceted surfaces, the holes communicating through the plate from the top to the bottom side,  
8 wherein, when applied, at least one set of two adjacent overlapping holes of a complex aperture is  
9 located so as to lie on ~~opposite sides~~ a side of an osteotomy site.

1 8. (currently amended) The bone plate of claim 7, wherein the apertures positioned so as to be on  
2 either a side of the point of osteotomy when applied to bone include wide bevels on a far end and  
3 near end of the apertures with respect to the osteotomy site.

1 9. (previously presented) The bone plate of claim 7, wherein bone plate further accommodates at  
2 least one locking bone peg having an unthreaded body and threaded head which locks with  
3 threads of a corresponding threaded aperture, thereby better ensuring rigid fixing of a fracture.

1 10. (previously presented) The bone plate of claim 7, wherein the multifaceted surfaces are  
2 threaded surfaces.

1 11. (previously presented) The bone plate of claim 7 wherein a distance between the sets of  
2 overlapping holes is defined to optimize either closing or opening of wedge femoral osteotomies.

1 12. (original) The bone plate of claim 11 where the distance is approximately 15mm.

1 13. (original) The bone plate of claim 12 where a distal end of the plate forms a natural curve  
2 corresponding to the shape of the distal femur in order to minimize the potential of plate  
3 overhang.

1 14. (currently amended) An orthopedic kit including:

2 a. a bone plate of complex form, suitable for use in osteotomy, the bone plate having a  
3 longitudinal axis, a bone-contacting bottom side and a top side with at least three complex  
4 apertures each comprised of at least one set of two overlapping holes each having multifaceted  
5 surfaces, the holes communicating through the plate from the top to the bottom side, and wherein,  
6 when applied, one set of two adjacent overlapping holes of a complex aperture is located so as to  
7 lie on opposite sides a side of an osteotomy site; and

8 b. at least one bone screw engageable with the bone plate.

1 15. (original) The kit of claim 14, further comprising a drill guide having a main drill guide  
2 surface and opposite end portions, one end portion of which is securely engageable with the

3 multi-faceted surface of a hole in the bone plate so as to securely hold the drill guide in a desired  
4 orientation with respect to the bone plate for stabilizing a drill used in an orthopedic procedure.

1 16. (previously presented) The kit of claim 14, wherein, when a bone plate is applied to a bone,  
2 at least one set of two adjacent overlapping holes is located so as to lie on one side of the  
3 osteotomy site and at least one set of two adjacent overlapping holes is located so as to lie on an  
4 opposite side of the osteotomy site two sets of such overlapping holes are located such that at  
5 least one set each lies on opposite sides of an osteotomy site and the third is aligned at  
6 approximately 60 degrees with the longitudinal axis.

1 17. (new) The bone plate of claim 1, wherein at least two sets of complex apertures each  
2 comprised of at least one set of two adjacent overlapping holes each having multifaceted surfaces,  
3 wherein, when applied, at least one set of two adjacent overlapping holes is located so as to lie on  
4 one side of the osteotomy site and at least one set of two adjacent overlapping holes is located so  
5 as to lie on an opposite side of the osteotomy site.